

Design for Sustainability (DfS) Scorecard

With our DfS scorecard, we drive sustainability improvement during the product development process through multiple product sustainability criteria divided into seven impact areas.



ORBO™ 43 /49P/1500/2300



Optimized manufacturing to reduce usage of organic solvents.

Impact areas

Results



MATERIALS

Total solvent usage during manufacturing is reduced by 70%.
Use of Dichloromethane (DCM), a hazardous and carcinogenic substance, is avoided completely in the new manufacturing process.



SUPPLIERS & MANUFACTURING

The manufacturing yield has increased from 40% to 98% due to better recovery with the new process.



PACKAGING

No change compared to baseline product in consideration of our DfS criteria.



ENERGY & EMISSIONS

Total machine time and thus energy used is reduced by 50% with the optimized process.



WATER

Water (35 L/kg) is used as a solvent in the process to replace and reduce hazardous organic solvents.



USABILITY & INNOVATION

Hands-on time have been reduced by 50% compared to the baseline process.



CIRCULAR ECONOMY

New process uses water and improves the waste generation as compared to use of organic solvents.

Baseline product: Previous process for manufacturing ORBO™ 43 /49P/1500/2300